AMENDMENTS TO THE ABSTRACT

Please amend the original abstract by replacing the abstract on page 10 of the specification with the following amended abstract:

~~For use in a multi-protocol Network Management System application for managing a multi-protocol layered transmissions network including a plurality of network elements , a~~ A method for generating a model of [[the]] a multi-protocol layered ~~transmissions~~ transmission network, ~~the method comprising the steps of:~~ including determining the protocol layers in the ~~multi-protocol layered transmissions~~ network[[;]] and ~~for each protocol layer,~~ mapping [[out]] an overlay ~~including~~ for each layer. [[the]] The overlay includes a) network elements operative in ~~the~~ ~~protocol layer, and~~ that particular layer, b) at least one physical link and/or [[the]] a logical ~~links~~ link interconnecting at least a ~~pairs~~ pair of network elements where transport service along ~~a~~ ~~logical~~ the link is at least partially provided by a transmission path on a protocol layer directly underlying the particular protocol layer, and [[the]] c) a pair of association links between each physical/logical link and its associated transmission path.

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